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[US/US]; 2310 Tamarack Drive, Long Lake, MN 55356 (US). ARSENYEV, Alexander [RU/US]; 1845 Turquoise Trail, Eagan, MN 55122 (US). PORTER, Christopher, H. [US/US]; 19756 Northeast 127th Place, Woodinville, WA 98072 (US). LYNCH, Laurie, E. [US/US]; 6970 Mariane Drive, Fidan Prairie, MN 55346 (US). MORTENSON, Kristin, M. [US/US]; 4233 Standish Avenue South, Minneapolis, MN 55407 (US).

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(71) Applicant (for all designated States except US): ADVANCED BIO SURFACES, INC. [US/US]; 5909 Baker Road, Suite 550, Minnetonka, MN 55345 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): FELT, Jeffrey, C. [US/US]; 4800 Lodge Lane, GREENWOOD, MN 55331 (US). RYDELL, Mark, A. [US/US]; 516 Tumpike Road, Golden Valley, MN 55416 (US). BUSCEMI, Paul, J.

(74) Agents: GOLDMAN, Philip, M. et al.; FREDRIKSON & BYRON, P.A., 4000 Pillsbury Center, 200 South Sixth Street, Minneapolis, MN 55402-1425 (US).

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(54) Title: INTERPOSITIONAL ARTHROPLASTY SYSTEM AND METHOD

(57) Abstract: A method and system for the creation or modification of the wear surface of orthopedic joints, involving the preparation and use of one or more partially or fully preformed and procured components, adapted for insertion and placement into the body and at the joint site. In a preferred embodiment, component(s) can be partially cured and generally formed ex vivo and further and further formed in vivo at the joint site to enhance conformance and improve long term performance. In another embodiment, a preformed balloon or composite material can be inserted into the joint site and filled with a flowable biomaterial in situ to conform to the joint site. In yet another embodiment, the preformed component(s) can be fully cured and formed ex vivo and optionally further fitted and secured at the joint site. Preformed components can be sufficiently pliant to permit insertion through a minimally invasive portal, yet resilient enough to substantially assume, or tend towards, the desired form in vivo with additional forming there as needed.